



Intel® Celeron® Processor G3930TE

2M Cache, 2.70 GHz

Spec Code

SR38H

Ordering Code

CM8067703318900

Intel® Celeron® Processor G3930TE (2M Cache, 2.70 GHz)

Code Name	Kaby Lake
<u>Essentials</u>	
Vertical Segment	Desktop
Processor Number	G3930TE
Status	Launched
Launch Date	Q2'17
Recommended Customer Price	\$42.00
<u>Performance</u>	
# of Cores	2
# of Threads	2
Processor Base Frequency	2.70 GHz
Cache	2 MB
TDP	35 W
<u>Supplemental Information</u>	
Embedded Options Available	Yes
<u>Memory Specifications</u>	
Max Memory Size (dependent on memory type)	64 GB
Memory Types	DDR4-2133, DDR3L-1600
Max # of Memory Channels	2
ECC Memory Supported ‡	Yes
<u>Processor Graphics</u>	
Processor Graphics	Intel® HD Graphics 610
Graphics Base Frequency	350 MHz

Graphics Max Dynamic Frequency	950 MHz
Graphics Video Max Memory	64 GB
4K Support	Yes, at 60Hz
Max Resolution (HDMI 1.4)‡	4096x2304@24Hz
Max Resolution (DP)‡	4096x2304@60Hz
Max Resolution (eDP - Integrated Flat Panel)‡	4096X2304@60Hz
DirectX* Support	12
<u>OpenGL* Support</u>	<u>4.4</u>
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	Yes
Intel® Clear Video HD Technology	Yes
Intel® Clear Video Technology	Yes
<u># of Displays Supported ‡</u>	<u>3</u>
Device ID	0x5902
Expansion Options	
Scalability	1S Only
PCI Express Revision	3
PCI Express Configurations ‡	Up to 1x16, 2x8, 1x8+2x4
Max # of PCI Express Lanes	16
Package Specifications	
Sockets Supported	FCLGA1151
T_{JUNCTION}	88°C
Package Size	37.5mm x 37.5mm
Low Halogen Options Available	See MDDS
Advanced Technologies	
Intel® Optane™ Memory Supported ‡	No
Intel® Turbo Boost Technology	No
Intel® vPro™ Technology ‡	No
Intel® Hyper-Threading Technology ‡	No
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® Virtualization Technology for Directed I/O (VT- x)	Yes
Intel® VT-x with Extended Page Tables (EPT) ‡	Yes
Intel® TSX-NI	No

Intel® 64 ‡	Yes
Instruction Set	64-bit
Instruction Set Extensions	SSE4.1/4.2
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Thermal Monitoring Technologies	Yes
Intel® Identity Protection Technology ‡	Yes
Security & Reliability	
Intel® AES New Instructions	Yes
Secure Key	Yes
Intel® Software Guard Extensions (Intel® SGX)	Yes
Intel® Memory Protection Extensions (Intel® MPX)	Yes
Intel® OS Guard	Yes
Intel® Trusted Execution Technology ‡	No
Execute Disable Bit ‡	Yes
Intel® Boot Guard	Yes